INDEX TO VOLUME VI

PAGE

ALLEN, D. N. de G., and DENNIS, S. C. R. The Application of Relaxation Methods to the Solution of Differential Equations in Three Dimensions. II. Potential Flow round Aerofoils 81

AOI, T., see TOMOTIKA, S.

BISHOP, R. E. D. On Dynamical Problems of Plane Stress and Plane Strain 250

BLAND, D. R. Mean Displacements on the Boundary of an Elastic Solid 379

BLUNDEN, W. R., see WITTRICK, W. H.

CAHN, A. S., see SAXON, D. S.

CHESTER, W. The Propagation of Shock Waves in a Channel of Non-uniform Width 440

COLLAR, A. R., see TRAILL-NASH, R. W.

COOKE, J. C., see SOWERBY, L.

DAVIES, H. J. The Two-dimensional Irrotational Flow of a Compressible Fluid around a Corner 71

DAVY, N., and LANGTON, N. H. The External Magnetic Field of a Single Thick Semi-infinite Parallel Plate terminated by a Convex Semi-circular Cylinder 115

DENNIS, S. C. R., see ALLEN, D. N. de G.

DUNCAN, W. J. Solution of Ordinary Linear Differential Equations with Variable Coefficients by Impulsive Admittances 122

FERGUSSON, H. B., KUDAR, J., and HARVEY, R. B. The Stress Distribution in the Head of a Thin-walled Pressure Vessel 1

GREEN, A. E., and WILKES, E. W. A Note on the Finite Extension and Torsion of a Circular Cylinder of Compressible Elastic Isotropic Material 240

GREEN, A. P. The Plastic Yielding of Notched Bars due to Bending . 223

HARVEY, R. B., see FERGUSSON, H. B.

HEAD, J. W., see MORRIS, J.

HUNT, J. N. A Note on Gravity Waves of Finite Amplitude . . . 336

JEFFREYS, H. Halving the Interval in a Table when First Derivatives are given 128

KUDAR, J., see FERGUSSON, H. B.

LANGTON, N. H., see DAVY, N.

LIGHTHILL, M. J. Theoretical Considerations on Free Convection in Tubes 398

LIVESLEY, R. K. Some Notes on the Mathematical Theory of a Loaded Elastic Plate resting on an Elastic Foundation 32

MANSFIELD, E. H. Neutral Holes in Plane Sheet—Reinforced Holes which are Elastically Equivalent to the Uncut Sheet . . . 370

MILES, J. W. Impulsive Motion of a Flat Plate 129

—— Virtual Momentum and Slender Body Theory 286

MORRIS, J. Note on the Derivation by Simple Algebra of Routh's Stability Criterion for the Biquadratic Characteristic Equation . . 255

PAGE

MORRIS, J., and HEAD, J. W. Note on Lin's Iteration Process for the Extraction of Complex Roots of Algebraic Equations . . 391

MYRES, D. M., see WITTRICK, W. H.

PEARSON, J. D. The Transient Motion of Sound Waves in Tubes . 313

RAYNER, M. E. A Note on Uniqueness Proofs for Boundary-value Problems in Potential Theory and Steady Heat Conduction . . 385

SAXON, D. S., and CAHN, A. S. Modes of Vibration of a Suspended Chain 273

SENIOR, T. B. A. The Diffraction of a Dipole Field by a Perfectly Conducting Half-plane 101

SOUTHWELL, R. V. Some Extensions of 'Rayleigh's Principle' . . 257

—— and VAISEY, G. On Some Eigenvalue Problems of Exceptional Difficulty, exemplified by a case of Elastic Instability . . 453

SOWERBY, L., and COOKE, J. C. The Flow of Fluid along Corners and Edges 50

STEWARTSON, K. A Weak Spherical Source in a Rotating Fluid. . 45

—— On the Slow Motion of an Ellipsoid in a Rotating Fluid . . 141

TIFFEN, R. Generalized Plane Stress Problems in Infinite Elastic Strips 344

TOMOTIKA, S., and AOI, T. The Steady Flow of a Viscous Fluid past an Elliptic Cylinder and a Flat Plate at Small Reynolds Numbers . 290

TRAILL-NASH, R. W., and COLLAR, A. R. The Effects of Shear Flexibility and Rotatory Inertia on the Bending Vibrations of Beams . . 186

VAISEY, G., see SOUTHWELL, R. V.

WILKES, E. W., see GREEN, A. E.

WITTRICK, W. H., MYRES, D. M., and BLUNDEN, W. R. Stability of a Bimetallic Disk 15

WOODS, L. C. The Relaxation Treatment of Singular Points in Poisson's Equation 163

PAGE
391
313
385
273
101
257
453
50
45
141
344
290
186
15
163